

**IN THE CLAIMS**

Please amend claims 1, 2, 5, 8, 10, 13 and 15 as follows:

1           1. (Currently Amended) A portable computer system which includes a main body,  
2           a power supplying unit, and a liquid crystal display (LCD) apparatus having an LCD  
3           panel which is operated by electric power supplied by the power supplying unit and a  
4           back light which illuminates the LCD panel, said system further comprising:

5                 a direct current to alternating current (DC/AC) inverter for supplying AC power to  
6           the back light;

7                 a contrast sensing part for sensing contrast of a video signal displayed on the LCD  
8           panel and outputting a pulse width modulation (PWM) signal;

9                 a DC converter for converting the PWM signal from the contrast sensing part into  
10          a DC signal;

11                a voltage controller provided between an output of the DC converter and an input  
12          of the DC/AC inverter for providing the DC signal from the DC converter as an operating  
13          voltage [[of]] to the DC/AC inverter; and

14                a controller connected in series with the DC/AC inverter for sensing the operating  
15          voltage of the DC/AC inverter, and for controlling the voltage controller on the basis of  
16          the operating voltage of the DC/AC inverter.

1           2. (Currently Amended) The portable computer system according to claim 1,  
2       wherein an output of the controller is directly connected to another input of the DC/AC  
3       inverter, and the contrast sensing part is connected to the DC/AC inverter via the DC  
4       converter and the voltage controller.

1           3. (Original) The portable computer system according to claim 1, further  
2       comprising a back light manual selection part operable for suspending a back light  
3       automatic control function, and wherein the controller turns off the voltage controller  
4       when the back light manual selection part is operated to suspend the back light automatic  
5       control function.

1           4. (Original) The portable computer system according to claim 3, wherein the  
2       back light manual selection part is included in a keyboard unit provided in the main body.

1           5. (Currently Amended) A method of controlling a portable computer system  
2       which includes a main body to which a power supplying unit is connected, and an LCD  
3       apparatus having an LCD panel operated by electric power supplied by the power  
4       supplying unit, a back light for illuminating the LCD panel, and a contrast sensing part  
5       connected to the LCD panel, said method comprising the steps of:

6           sensing an operating voltage of a DC/AC inverter supplying an AC voltage to the  
7       back light;

8 obtaining a back light control signal outputted from the contrast sensing part;  
9 converting the back light control signal into a DC signal;  
10 controlling the DC signal to have an intensity for operating the DC/AC inverter;  
11 and  
12 supplying the controlled DC signal as a DC operating voltage to the DC/AC  
13 inverter.

1 6. (Original) The method according to claim 5, further comprising the steps of:  
2 selecting a back light manual control function; and  
3 suspending a back light automatic control function so as to allow a user to  
4 manually control the back light when the back light manual control function is selected.

1 7. (Original) The method according to claim 6, further comprising the step, prior  
2 to the sensing step, of determining whether the contrast sensing part is provided, and  
3 suspending the back light automatic control function so as to allow the user to manually  
4 control the back light when the contrast sensing part is not provided.

1 8. (Currently Amended) The method according to claim 7, wherein the back light  
2 automatic control function is carried out based on sensing, by the contrast sensing part, of  
3 a contrast of a video signal[[,]] displayed on the LCD panel.

1           9. (Original) The method according to claim 6, wherein the back light automatic  
2 control function is carried out based on sensing, by the contrast sensing part, of a contrast  
3 of a video signal displayed on the LCD panel.

1           10. (Currently Amended) The method according to claim 5, further comprising the  
2 step, prior to the sensing step, of determining whether the contrast sensing part is  
3 provided, and suspending a back light automatic control function so as to allow [[the]] a  
4 user to manually control the back light when the contrast sensing part is not provided.

1           11. (Original) The method according to claim 10, wherein the back light  
2 automatic control function is carried out based on sensing, by the contrast sensing part, of  
3 a contrast of a video signal displayed on the LCD panel.

1           12. (Original) The method according to claim 5, wherein the back light automatic  
2 control function is carried out based on sensing, by the contrast sensing part, of a contrast  
3 of a video signal displayed on the LCD panel.

1           13. (Currently Amended) A portable computer system having a liquid crystal  
2 display (LCD) and a back light illuminating the LCD panel, said system further  
3 comprising:

4 direct current to alternating current (DC/AC) inverter means for supplying AC  
5 power to the back light;

6 contrast sensing means for sensing a contrast of a video signal displayed on the  
7 LCD panel and outputting a pulse width modulation (PWM) signal;

8 DC converter means for converting the PWM signal outputted by the contrast  
9 sensing means into a DC signal; and

10 voltage controller means disposed between an output of the DC converter means  
11 and an input of the DC/AC inverter means for controlling the DC signal from the DC  
12 converter means so that it has an intensity of an operating voltage for the DC/AC inverter  
13 means, and for supplying the controlled DC signal to the DC/AC inverter means.

1 14. (Original) The portable computer system according to claim 13, further  
2 comprising controller means connected to the DC/AC inverter means for sensing the  
3 operating voltage of the DC/AC inverter means, and for controlling the voltage controller  
4 means on the basis of the sensed operating voltage.

1 15. (Currently Amended) The portable computer system according to claim 14,  
2 wherein an output of the controller means is directly connected to another input of the  
3 DC/AC inverter means, and the contrast sensing means is connected to the DC/AC  
4 inverter means via the DC converter means and the voltage controller means.

1           16. (Original) The portable computer system according to claim 14, further  
2           comprising back light selection means operable by a user for selecting manual control of  
3           the back light and for suspending automatic control of the back light.

1           17. (Original) The portable computer system according to claim 16, wherein the  
2           back light selection means comprises a keyboard unit of the portable computer system.

1           18. (Original) The portable computer system according to claim 16, wherein the  
2           controller means turns off the voltage controller means when the user operates the back  
3           light selection means to select the manual control of the back light.

1           19. (Original) The portable computer system according to claim 13, further  
2           comprising back light selection means operable by a user for selecting manual control of  
3           the back light and for suspending automatic control of the back light.

1           20. (Original) The portable computer system according to claim 19, wherein the  
2           back light selection means comprises a keyboard unit of the portable computer system.